

Claims

1. A method of manufacture of fast-disintegrating tablets, characterized in that the components in pulverized form are contacted with a pressurized liquefied gas or gas mixture, homogenized, introduced into moulds under a pressure of between 101325 Pa (normal pressure or 1.01325 bar) and 10⁷ Pa (100 bar), and decompressed.
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2. The method of claim 1 wherein the pressurized liquefied gas has a boiling point below 0° Celsius at 101325 Pa (normal pressure).
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3. The method of claim 1 or 2 wherein the pressurized liquefied gas is selected from fluoroalkanes, fluorochloroalkanes, lower alkanes and low-boiling ethers, and mixtures thereof.
- 15 4. The method of claim 3 wherein the gas mixture is an azeotropic mixture.
5. The method of any one of claims 1 to 4 wherein the pressurized liquefied gas is selected from TG 227 (1,1,1,2,3,3-heptafluoropropane), TG 134a (1,1,1,2-tetrafluoroethane), propane, n-butane, isobutane and dimethyl ether, and mixtures thereof.
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6. The method of any one of claims 1 to 5 wherein the pressurized liquefied gas or gas mixture further comprises a low-boiling solvent having a boiling point between 20° and 100° Celsius at 101325 Pa (normal pressure).
- 25 7. The method of claim 6 wherein the liquefied gas or gas mixture and the further solvent form an azeotropic mixture.
8. The method of any one of claims 1 to 7 wherein the pressurized liquefied gas further comprises carbon dioxide.
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9. The method of any one of claims 1 to 8 wherein the pressurized liquefied gas or gas mixture and optional low-boiling solvent is first used to dissolve a binding agent, and the resulting solution added to the other solid components in pulverized form under pressure.

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10. The method of any one of claims 1 to 9 wherein the components comprise a binding agent selected from hydroxypropylcellulose phthalate and succinate, ethylcellulose, cellulose phthalate, polyvinyl phthalate, and methacrylic acid acrylate copolymers.
- 5 11. The method of any one of claims 1 to 10 for the manufacture of pharmaceutical tablets for oral use.
12. The method of claim 11 wherein the components comprise a filler selected from sugars, sugar alcohols, cellulose, and calcium phosphates and sulfates.
- 10 13. The method of any one of claims 1 to 10 for the manufacture of tablets comprising foodstuffs or chemicals for disintegration in water or aqueous solvents.
- 15 14. Pharmaceutical tablets for oral use comprising one or more active ingredients and other pharmaceutically acceptable components, prepared by the method of any one of claims 1 to 12.